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Nota di contenuto	Introduction / James P Kennett, John A Barron -- The development of paleoseaways around Antarctica / Lawrence A Lawver, Lisa M Gahagan, Millard F Coffin -- Biogeography of Campanian-Maastrichtian calcareous plankton in the region of the Southern Ocean: paleogeographic and paleoclimatic implications / Brian T Huber, David K Watkins -- Late Cretaceous-Early Tertiary Antarctic outcrop evidence for past vegetation and climates / Rosemary A Askin -- Paleogene chronology of Southern Ocean drill holes: an update / Wuchang Wei -- Late Eocene-early Oligocene evolution of climate and marine circulation: deep-sea clay mineral evidence / Christian Robert, Herve Chamley -- Evidence from fossil vertebrates for a rich Eocene Antarctic marine environment / Judd A Case -- Paleoecology of Eocene Antarctic sharks / Douglas J Long -- Cenozoic deep-sea circulation: evidence from deep-sea Benthic foraminifera / Ellen Thomas -- The influence of the Tethys on the bottom waters of the early Tertiary ocean / Hedi Oberhansli -- Late Eocene-Oligocene sedimentation in the Antarctic Ocean, Atlantic Sector(Maud Rise, ODP Leg 113, Site 689): development of surface and bottom water circulation / Liselotte Diester-Haass -- Geotechnical stratigraphy of Neogene sediments: Maud Rise and Kerguelen Plateau / Frank R Rack, Alan Pittenger -- Cenozoic glacial history of the Ross Sea revealed by intermediate resolution seismic reflection data combined with drill site information / John B Anderson, Louis R Bartek -- Toward a high-resolution stable isotopic record of

the Southern Ocean during the Pliocene-Pleistocene (4.8 to 0.8 MA) / David A Hodell, Kathryn Venz -- Miocene-Pliocene Antarctic glacial evolution: a synthesis of ice-rafted debris, stable isotope, and Planktonic foraminiferal indicators, ODP Leg 114 / Detlef A Warnke, Carl P Allen, Daniel W Muller, David A Hodell, Charlotte A Brunner -- A late neocene Antarctic Glacio-Eustatic record, Victoria Land Basin Margin, Antarctica / Scott E Ishman, Hugh J Rieck -- Late Quaternary climatic cycles as recorded in sediments from the Antarctic Continental Margin / Hannes Grobe, Andreas Mackensen -- Paleocological implications of radiolarian distribution and standing stocks versus accumulation rates in the Weddell Sea / Demetrio Boltovskoy, Viviana A Alder -- Deep sea drilling project and ocean drilling program cruises showing the two or three co-chief scientists on each leg.

Sommario/riassunto

Papers based on work presented at a conference held at the University of California, Santa Barbara, August 28-31 1991, entitled 'The Role of the Southern Ocean and Antarctica in Global Change : an Ocean Drilling Perspective.' Papers deal with paleoenvironmental data from the Antarctic, including geology, climate, fossils, sediments and the eustatic record.

Published by the American Geophysical Union as part of the Antarctic Research Series, Volume 56. The Antarctic continent and the surrounding Southern Ocean represent one of the major climate engines of the Earth: coupled components critical in the Earth's environmental system. The contributions in this volume help with the understanding of the long-term evolution of Antarctica's environment and biota. The aim of this and the succeeding companion volume is to help place the modern system within a historical context. A large number of workers have contributed much in providing the necessary reviews of the contributions published in this volume; we heartily thank you all: J. B. Anderson, J. H. Andrews, M. P. Aubry, J. A. Barron, G. W. Brass, L. H. Burckle, C. Charles, A. K. Cooper, A. R. Edwards, D. K. Futterer, T. R. Janacek, M. Katz, L. D. Keigwin, L. A. Krissek, D. J. Long, B. P. Luyendyk, K. Moran, J. Morley, S. O'Connell, L. E. Osterman, J. T. Parrish, W. Sliter, R. Stein, J. D. Stewart, K. Takahashi, B. H. Tiffney, E. M. Truswell, W. Wei, J. K. Weissel, B. White, S. W. Wise, Jr., J. A. Wolfe, F. C. Woodruff, A. R. Wyss, J. C. Zachos, and A.M. Ziegler.
